

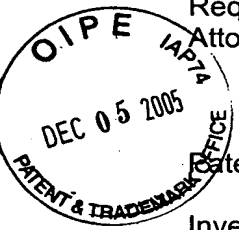
09/719,757

COPY

Patent No. 6,920,368

Request for Cert. of Correction dated November 30, 2005

Attorney Docket No. 0702-002116



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No. : 6,920,368 ^{B1} Confirmation No. 4058
Inventor : Van Dyck et al.
Issued : July 19, 2005
Title : Method and Device for
Correcting Proximity Effects
Examiner : Douglas Shute
Customer No. : 28289

Certificate
DEC 07 2005
of Correction

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR PTO MISTAKE (37 C.F.R. 1.322(a))

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

ATTENTION: Decision and Certificate of Correction Branch
Patent Issue Division

Sir:

In accordance with 35 U.S.C. §254, we attach hereto Form PTO/SB/44 and a copy of proof of PTO errors and request that a Certificate of Correction be issued in the above-identified patent. The following errors appear in the patent as printed:

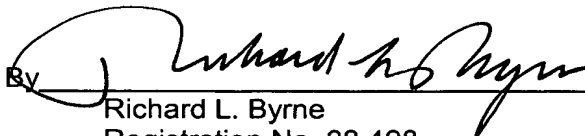
Column 2, Line 15, "K[∇] is the Hermitian" should read -- K[∇] is the Hermitian --
See Preliminary Amendment dated 12/15/2000, page 2, Line 6.

Column 5, Line 10, "K[∇] is the Hermitian" should read -- K[∇] is the Hermitian --
See Preliminary Amendment dated 12/15/2000, page 2, Line 15.

Column 8, Line 11, Claim 2, "is the Hennitian conjugate" should read
-- is the Hermitian conjugate --
(See the Examiner's Amendment accompanying the Notice of Allowability dated
March 4, 2005, page 2, Claim 20, Line 7. Claim 20 issued as Claim 2.)

Respectfully submitted,

THE WEBB LAW FIRM

By 

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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 6,920,368 *Bi*
APPLICATION NO. : 09/719,757
ISSUE DATE : July 19, 2005
INVENTORS : Van Dyck et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2, Line 15, "K^v is the Hermitian" should read -- K^v is the Hermitian --

Column 5, Line 10, "K^v is the Hermitian" should read -- K^v is the Hermitian --

Column 8, Line 11, Claim 2, "is the Hennitian conjugate" should read
-- is the Hermitian conjugate --

MAILING ADDRESS OF SENDER: The Webb Law Firm
700 Koppers Building
436 Seventh Avenue
Pittsburgh, PA 15219-1845

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-2450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select Option 2.

DEC 07 2005



PATENT APPLICATION/PCT
Attorney Docket No. 702-002116

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :

Dirk E. M. VAN DYCK : **METHOD AND DEVICE FOR**
and Piotr Tomasz JEDRASIK : **CORRECTING PROXIMITY EFFECTS**

International Application :
No. PCT/BE99/00076 :

International Filing Date :
14 June 1999 :

Priority Dates Claimed :
16 June 1998 :
13 October 1998 :

Serial No. Not Yet Assigned :

Filed Concurrently Herewith :

Pittsburgh, Pennsylvania
December 15, 2000

PRELIMINARY AMENDMENT

BOX PCT
Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Prior to initial examination, please amend the above-identified patent application
as follows:

IN THE SPECIFICATION:

Page 1, after the title, insert the following heading:

--BACKGROUND OF THE INVENTION--.

Page 1, after line 32, insert the following heading:

--SUMMARY OF THE INVENTION--.

Page 2, line 2, after "comprising" insert --the steps--.

Page 2, after line 38, insert the following:

$$5 \quad -d^{(t)} = d^{(t-1)} + (K^v K + \lambda B(D))^{-1} K^v r^{(t-1)} \quad r^{(t)} = a - K d^{(t)} -$$

Page 3, line 6, delete "K*" and substitute therefor --K^v--.

Page 5, after line 27, insert the following heading:

--BRIEF DESCRIPTION OF THE DRAWINGS--.

Page 6, after line 12, insert the following heading:

10 --DESCRIPTION OF THE PREFERRED EMBODIMENT--.

Page 8, after line 14, delete

$$"d^{(t)} = d^{(t-1)} + (K^* K + \lambda B(D))^{-1} K^* r^{(t-1)} \quad r^{(t)} = a - K d^{(t)}"$$

and substitute therefor

$$15 \quad -d^{(t)} = d^{(t-1)} + (K^v K + \lambda B(D))^{-1} K^v r^{(t-1)} \quad r^{(t)} = a - K d^{(t)} -$$

Page 8, line 19, delete "K*" and substitute therefor --K^v--.

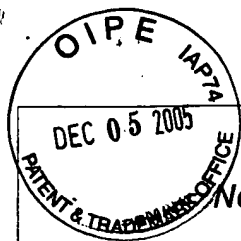
Page 11, after line 18, insert the following heading:

--Table 1--.

Page 11, line 33, delete "en" and substitute therefor --and--.

IN THE CLAIMS:

20 Original claims 1-20 were amended during Chapter II proceedings by substituting new claims 1-18 in a letter dated October 30, 2000. Please cancel original claims 1-20 and cancel amended claims 1-18 and rewrite them as new claims 21-37 as follows:



Notice of Allowability

Application No.	Applicant(s)	
09/719,757	VAN DYCK ET AL.	
Examiner	Art Unit	
Douglas M. Shute	2121	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 12/2/04.
2. ☒ The allowed claim(s) is/are 1-17 (old 19-35).
3. ☒ The drawings filed on 02 December 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some* c) ☐ None of the:

1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Art Unit: 2121

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-17 (old 19-35) are allowed.


2. Included herewith as an appendix is an Examiner's Amendment which modifies the amended claims as submitted on 12/2/04 to carry the renumbering of the claims per original Office Action into the bodies of the various dependent claims.

Art Unit: 2121

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas M. Shute whose telephone number is (571) 272-3690. The examiner can normally be reached on M-F 9:30 AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Anthony Knight can be reached on (571) 272-3687. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


March 4, 2005


Anthony Knight
Supervisory Patent Examiner
Group 3600

wherein step b) is determined utilizing the following iterative equation:

$$d^{(t)} = d^{(t-1)} + (K^*K + \lambda B(D))^{-1} K^* r^{(t-1)} \quad r^{(t)} = a - Kd^{(t)}$$

with $d^{(0)} = 0$ and $r^{(0)} = a$

3 21. (Previously Presented) The method as claimed in claim 22, wherein the operator B is defined as follows:

$$B(D) = \sum \left(\frac{d_i}{d_{tot}} \right) \ell m \left(\frac{d_i}{d_{tot}} \right)$$

in which the summation takes place over all pattern points, d_i is the i^{th} element of the vector d , and d_{tot} represents the summation over all elements of the vector d .

4 22. (Previously Presented) The method as claimed in claim 19, wherein the final value of the regularization parameter in step e) is the regularization parameter

$$\frac{1}{N} \sum_{k=1}^N \left(a_k - [Kd_k(\lambda)]_k \right)^2$$